



**DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE
(AUTONOMOUS)**

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PERAMBALUR-621212, TAMILNADU, INDIA.

Website: www.dsengg.ac.in



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

RECOGNIZED RESEARCH SUPERVISORS - ANNA UNIVERSITY

S.NO	REF.NO	SUPERVISOR NAME	RESEARCH AREA	E-MAIL
1	2740143	Dr.Shree K V M	Wireless Networks, Digital Image Processing, Wireless Sensor Networks, Cross Layer Design, Mimo Networks	srimate@ gmail.com
2	4140078	Dr.K.Niranjani	Remote Sensing, Satellite Image Processing, Hyperspectral Imaging, Digital Image Processing	niranjani@ gmail.com

TNSCST PROPOSAL SUBMITTED – ANNA UNIVERSITY

2025-2026

S.NO	PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	TITLE
1	Dr.R.Aarthy	Mrs.L.ShakiraBanu	A Data Driven Approach for Monitoring and Forecasting Animal Attack Risks using IOT and Deep Learning
2	Dr.K.Niranjani	Mrs.K.Murugeswari	IOT based AI Engine for Smart Wasting Sorting Robot

PUBLICATIONS

1. Eid, M. M., Arjunan, M., Vijay, **S., Muniyasamy, S.**, Balasubramanian, B., Prabu, R. T &Rashed, A. N. Z. (2024). Optical fiber links based A thermal planar AWG for ultrahigh thermal stability and ultralow thermal sensitivity. Journal of Optics, 53(4), 3370-3382.
 2. Chandraman, M., Santhiyakumari, N., **Shree, K. V. M.**, Murugesan, M., Kumarganesh, S., Rishabavarthani, P&Sahani, S. K. (2025). Enhancing Cardiovascular Disease Analysis in Healthcare Systems With Hybrid Random Forest and Neural Network Algorithm. Engineering Reports, 7(9), e70373.
 3. Kumarganesh, S., **Shree, K. V. M.**, Rishabavarthani, P., Ganesh, C., Anthoniraj, S., Thiyaneswaran, B& Dang, H. (2025). Aggregated approach for interstitial lung diseases classification using attention based CNN and radial basis function neural network. Systems and Soft Computing, 7, 200228.
 4. Kumaran, S., Buvaneswari, P. R., **Shree, K. V. M.**, &Rajmohan, V. (2024). Fabrication of rGO-modified ternary metal chalcogenide hybrid nanocomposite (rGO/Cu₂MnSnS₄) for high-performance supercapacitors. Diamond and Related Materials, 148, 111384.
 5. Maheshwari, R. U., Kumarganesh, S., **KVM, S.**, Gopalakrishnan, A., Selvi, K., Paulchamy, B.& Pandey, D. (2025). Advanced plasmonic resonance-enhanced biosensor for comprehensive real-time detection and analysis of deepfake content. Plasmonics, 20(4), 1859-1876.
 6. **Shree KVM**,Pandey, B. K., & Pandey, D. (2025). Design of surface plasmon resonance (SPR) sensors for highly sensitive biomolecular detection in cancer diagnostics. Plasmonics, 20(2), 677-689.
- Mary, S. S. C., **Murugeswari, K.**, Shri, S. J., & Senthamilarasi, N. (2023). A secure and

effective data aggregation in WSN for improved security and data privacy. Review of Computer Engineering Research, 10(3), 83-95.

7. Mary, S. Suma Christal, S. Jothi Shri, E. Thenmozhi, and **K. Murugeswari**. "Data security in wireless sensor networks using an efficient cryptographic technique to protect against intrusion." SSRG International Journal of Electronics and Communication Engineering 10, no. 4 (2023): 41-50.
8. **Rajadurai.N** (2025), Development of an AI-IOT Based Smart Health Monitoring and Emergency Response System, Chapter 3, IIP Series.
9. **Aarthy R** (2024) presented a paper on "Simulation of Physical Adversarial Attacks on vehicle detection" at International Conference on Newer Engineering Concept and Technology.
10. **Sivasankari A**(2024) presented a paper on "Performance assessment of clustering in web data mining techniques" at the International Conference on Multidisciplinary research in social science applied sciences.
11. **Aarthy,R, Anbarasi.A and Punitha**,(2025),"Decentralized social media application using interplanetary file system", Emerging Innovative Research in Science and Technology.
12. **Palanisamy.M and Kavikumar.C**(2025),"Synth voice mate using artificial intelligence", Emerging Innovative Research in Science and Technology
13. **Saravanan.S and Murugeswari.K**,"Surveillance in real time using cyber security for criminal face recognition",Emerging Innovative Research in Science and Technology(2025).
14. **Shakira Banu.L, Parimala.M**,"A hybrid lane detection model for wild road conditions using deep learning", Emerging Innovative Research in Science and Technology(2025).
15. **Shree KVM, and S. Suganya**,"crime against women analysis and prediction using machinelearning",Emerging Innovative Research in Science and Technology(2025).